

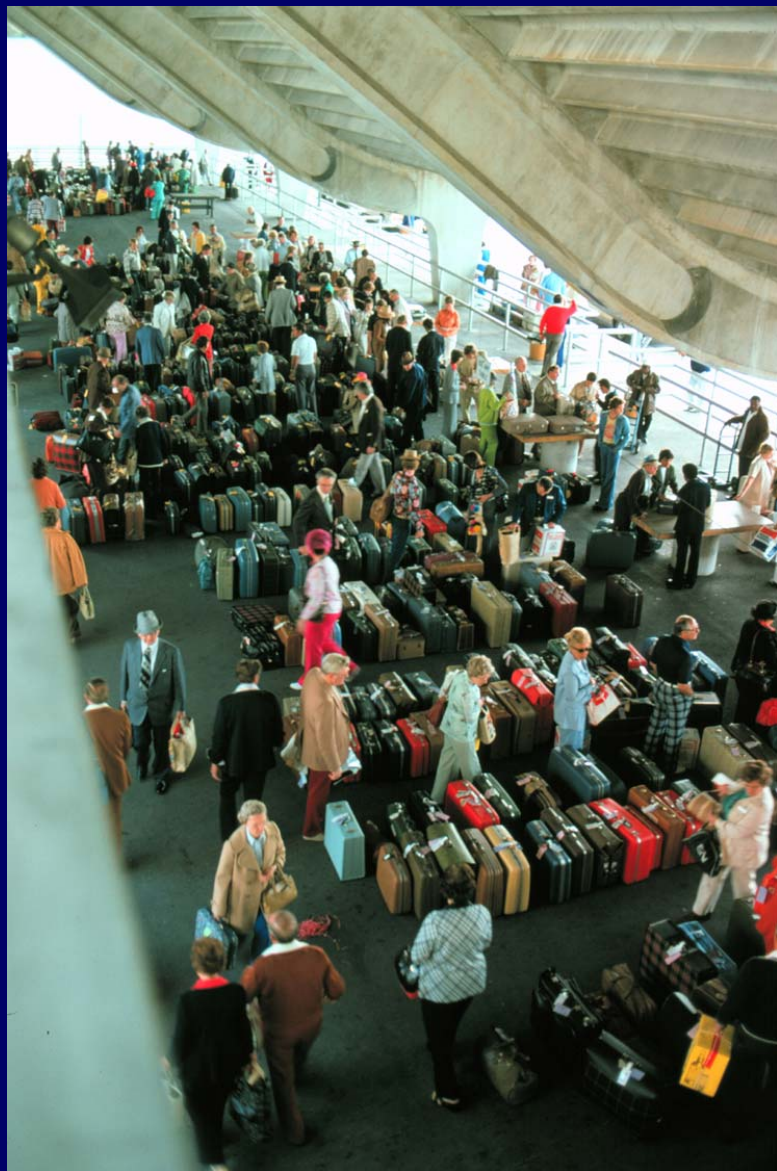
Optimizing the US Plant Health Safeguarding System

**Charles P. Schwalbe
USDA, APHIS**

**Workshop on the Economics of Invasive Species
May 12, 2003
Washington DC**

Mission of Plant Protection and Quarantine

APHIS-PPQ safeguards agricultural and natural resources from the risks associated with the entry, establishment, and spread of animal and plant pests and noxious weeds for the overall benefit of the United States, the world's environment, and domestic and international trade.





It is not enough to be busy...
The question is,
“what are we busy about?”

Thoreau

Safeguarding Components



Off-shore risk management

Port-of-entry measures

Quarantine

Pest detection

Emergency response

Invasive Statistics: U.S. Perspective

- 2000 insect and mite invaders in US
- 327 “homoptera” (Sailer 1978)
 - Scales, aphids, whiteflies, psyllids, leafhoppers
- 272 Hymenoptera
- 295 Coleoptera
- 120 Lepidoptera
- 86 Diptera
- 80 Thysanoptera
- 211 Other

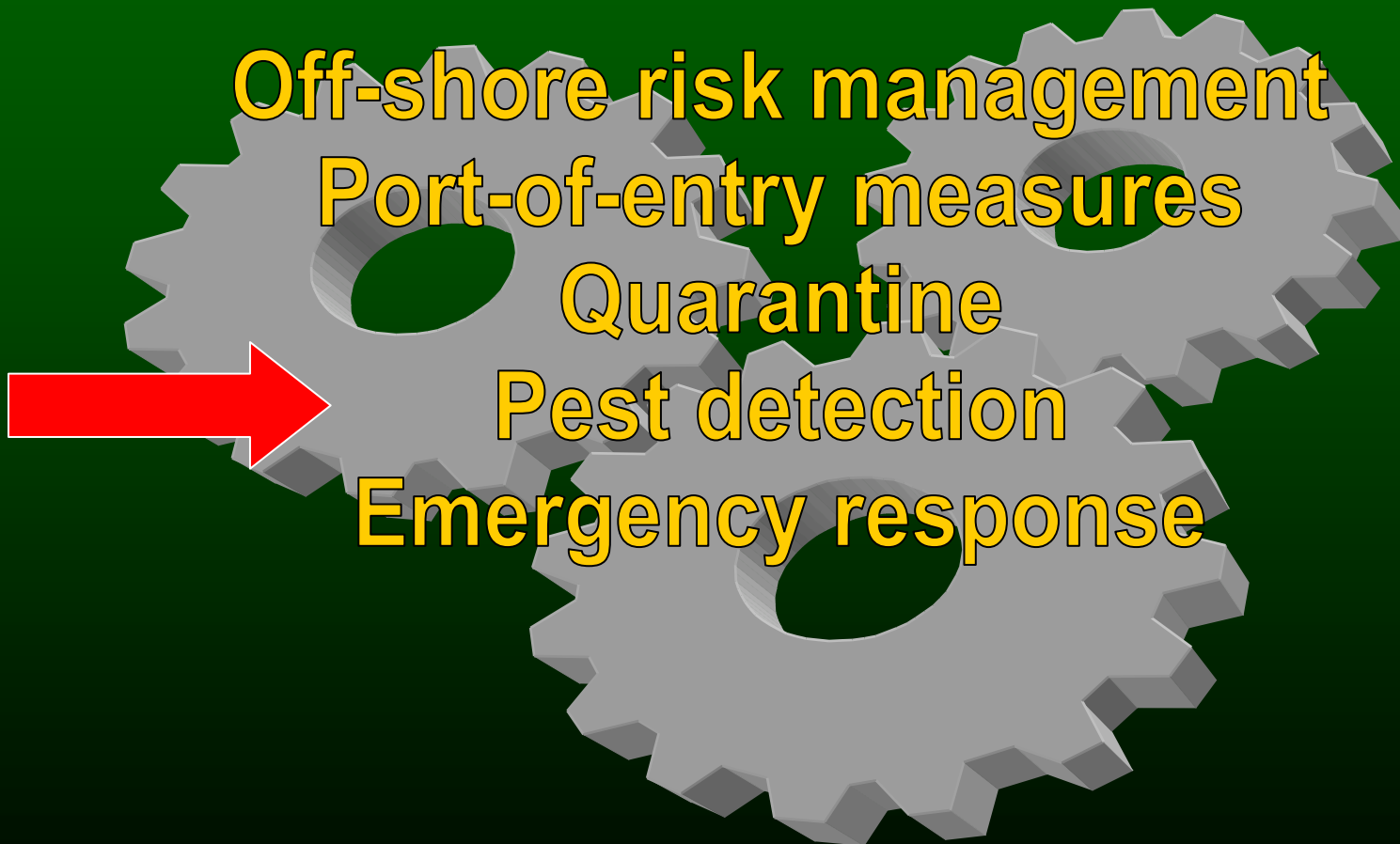


Pest Lists

developed in collaboration with:

Entomological Society of America
Weed Science Society of America
American Phytopathological Society
American Malacological Society
Society of Nematologists
Acarological Society of America

Safeguarding Components



Funding Challenges

Asian Long horned Beetle	6 YRS	\$79 M
Citrus Canker	7 YRS	\$258 M
Karnal Bunt	7 YRS	\$70 M
Plum Pox Virus	3 YRS	\$18 M

Response to introduced pests:

- Finding and identifying the pest problem
 - Detection
 - Delimitation
- Responding the pest problem
 - No response
 - Tracking the infestation
 - Reducing negative effects
 - Eradication

Education/Outreach (gaining stakeholder cooperation)



aphis.usda.gov

APHIS Services

About APHIS

Programs

News

Hot Issues

FOIA

Jobs

PPQ MENU

[Avocados](#)
[Beagle Brigade](#)
[Agricultural Bioterrorism](#)
[Center for Plant Health Science and Technology](#)
[Craft Industries](#)
[Emergency Programs and Emerging Pest Issues](#)
[Environmental Documents](#)
[International Standards](#)
[Invasive Species and Pest Management](#)
[Manuals](#)
[Maps](#)
[Methyl Bromide](#)
[NAPIS \(National Agricultural Pest Information System\)](#)
[Permits](#)
[Pest Detection](#)
[Pest Identification](#)
[Pest Risk Assessments](#)
[Phytosanitary Issues Management](#)
[Port Offices](#)
[Port Operations](#)
[Preclearance](#)
[Regulated Pest List](#)
[Safeguarding American Plant Resources](#)
[Smuggling Interdiction and Trade Compliance](#)
[Solid Wood Packing Materials](#)
[Weeds](#)

Plant Protection and Quarantine



Pest Detection & Management Programs

USDA

APHIS

PPQ

Offshore Pest Information System

[▶ Home](#)
[▶ About Us](#)
[▶ Reports](#)
[▶ Pest Detection](#)
[▶ Emergency Programs](#)
[▶ Invasive Species & Pest Management](#)
[▶ Emerging Pest Issues](#)
[▶ Emergency Program Manual](#)
[▶ Links](#)



BACKGROUND

International trade is rapidly expanding; the relevance of international borders is diminishing. With that expansion comes the risk of the spread of exotic plant pests; that threat could be accidental or intentional. The Offshore Pest Information System is a structured, risk-focused process designed to collect, synthesize/analyze, communicate and utilize relevant offshore pest information.

OPIS Menu

[OPIS Home](#)
[Pest Alerts](#)
[Pest News](#)
[Target Pest / Pathway Information](#)
[Pest Threat Advisory System](#)
[Links](#)
[Contact Us](#)

For more info on APHIS pest detection
and emergency programs:
www.aphis.usda.gov/ppq/

